

CLAIMS

We Claim:

1. A calibrator for liquid-flow meters comprising:
one or several graduated tanks 2, in stainless steel, mounted on a level-able vehicle 18;
a hose circuit 3 beginning on top of each neck 9 to recycle the fumes during the filling
and ending in the ventilation pipe 16 with the removable exhaust pipe 17;
a level indicator 4 to measure the liquid level; and
one or several tanks with a sloped bottom 2, followed by a valve 15, a transparent drip
reference unit 5 and another valve 14 leading to a common pipe 19 ending with a last valve 13.
2. A method of calibrating the liquid flow meter of claim 1, comprising the steps of:
 - a. Park the calibrator near the pump,
 - b. Use the lever 6 to lift the wheels off the ground,
 - c. Ground the calibrator to the pump 7,
 - d. Install the gasoline return hose between piping exit 8 and the gas station's underground tank,
 - e. Open the escape valve 13,

- f. Fill the tanks 2, one at a time , by inserting the gas pump nozzle in the neck 9 of the tank, the neck holds the fumes, it makes contact with the nozzle,
- g. Adjust the two levels 10 in both axis with the two levers 11,
- h. Take the readings while standing up,
- i. Note the readings by turning the round pre-marked recall set-up 12,
- j. Open the valves 13,14,15 to empty out tanks,
- k. Adjust the meters of the pump if need be.
- l. Close the valve 14 as soon as the tanks are empty,
- m. Make sure the tanks are truly empty before closing valve 15, by observing the final drops of liquid dripping down through the transparent drip reference unit 5, and
- n. Proceed with new test as required.